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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO.
09/841,373	04/24/2001	Lenny Low	PA-Y0049	5868
7	590 03/19/2003			
Joyce Kosinski			EXAMINER	
655 Deep Valle	d Communications, Ltd.		PATEL, NIHIR B	
Rolling Hills Estates, CA 90274			ART UNIT	PAPER NUMBER
			3743	
			DATE MAILED: 03/19/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

		W^				
	Application No.	Applicant(s)				
	0 0/023,072 0a 1841373	LOW ET AL.				
Office Action Summary	Examiner	Art Unit				
	Nihir Patel	3743				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status						
1) Responsive to communication(s) filed on	·					
2a)☐ This action is FINAL . 2b)⊠ Th	nis action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) 1-5 is/are rejected.						
, — · · · — · ·	7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement. Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the						
11) The proposed drawing correction filed on	_ is: a)☐ approved b)☐ disapp	roved by the Examiner.				
If approved, corrected drawings are required in re	eply to this Office action.					
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. § 119	(a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documen						
2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ary (PTO-413) Paper No(s) al Patent Application (PTO-152)				
U.S. Patent and Trademark Office						

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DETAILED ACTION

Response to Amendment

Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Esposto US Patent No. 5,743,325. Referring to claim 1, Esposto discloses flexible heat transport design for deployable radiator applications that comprises a first and second opposite facing payload radiators 14 and 16 (see figure 1); first and second opposite facing deployable radiators 10 and 12 (see figure 1); and one or more coupling heat pipes 20 that cross couple opposite facing payload and deployable radiators (see figure 1).

Referring to claim 2, Esposto shows that the one or more coupling heat pipes 20 comprise loop heat pipes (see col. 2 lines 58-67 and col. 3 lines 1-3).

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Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3, 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over combined teachings of Esposto US Patent NO. 5,743,325 and Caplin US Patent No. 5,806,800.

Esposto discloses the applicant's invention as claimed with the exception of providing a body and a plurality of solar arrays.

Caplin discloses a dual function deployable radiator cover that does provide a body 12 (see figure 1) and a plurality of solar arrays 18 (see figure 1). Therefore it would be obvious to modify Esposto's invention by providing a body and a plurality of solar arrays in order for the invention to function properly.

Henry Bennett
Supervisory Patent Examiner
Group 3700